



Apartment and Condo Building Energy Efficiency Grants

Up to \$10,000.00

Application Deadline October 10, 2016

City of Takoma Park, Maryland

Department of Public Works

Tel: (301)-891-7633

Fax: (301)-585-2405

publicworks@takomaparkmd.gov



31 Oswego Avenue
Silver Spring, MD 20910

www.takomaparkmd.gov

Multifamily Building Energy Efficiency Grants

Up to \$10,000 for each project

The City of Takoma Park has created a Multifamily Building Energy Efficiency Grant Fund to assist multifamily buildings in upgrades that will reduce energy use, reduce greenhouse gas emissions, and lower utility bills, while increasing residential comfort and wellbeing. Possible projects include appliances and equipment upgrades to energy efficient models and building retrofits to increase energy efficiency. Energy efficiency projects in Takoma Park directly support the city's efforts in the 5 million dollar Georgetown University Energy Prize competition to reduce residential and municipal energy use.

1. **Grants up to \$10,000 will be awarded** for Multifamily Building Energy Efficiency projects. Eligible projects include but are not limited to:
 - a. energy-efficient lighting;
 - b. high-efficiency furnaces, boilers, and air conditioners;
 - c. building automation;
 - d. windows and insulation;
 - e. energy efficient appliances such as refrigerators, washing machines, and dishwashers.
2. **Matching funds are NOT required**—Projects can be paid for partially or entirely using grant funds.
3. **Apply for each project separately.** For example, a building owner may apply once for a lighting retrofit project, and submit a second application for an appliance upgrade project, both for \$10,000 each.

4. Qualifications—

- a. Multifamily buildings with 6 or more units
- b. Apartments or condominiums are eligible
- c. Applicants must have already utilized or plan on utilizing Pepco's Multifamily incentives and Pepco Quick Energy Checkups if applicable, before applying to Takoma Park's Multifamily Building Energy Efficiency Grant.

5. To Apply—

- a. **Complete the attached application form**
- b. A strong application will benchmark their building's energy use using Portfolio Manager on EPA's Portfolio Manager website (<http://www.energystar.gov/buildings/facility-owners-and-managers/existing-buildings/use-portfolio-manager>). Benchmarking energy use is not required, but it is suggested.
- c. **Include supporting documentation including project financial plan, detailed project timeline, equipment or project scope of work and details**
- d. **Energy Star Portfolio Manager Reports (Source EUI Report),**

RETURN APPLICATION MATERIALS TO:

Sustainability Manager

City of Takoma Park, Department of Public Works

31 Oswego Avenue

Silver Spring, MD 20910

ginam@takomaparkmd.gov

6. DEADLINE TO APPLY: October 10, 2016

7. How applicant(s) will be selected—Applicants demonstrating the highest amounts of energy savings will be given priority.

8. Awardees—If selected, participants must submit a complete report documenting energy reductions based on 1 year of post-implementation results within 13 months of project completion. This report must include a Statement of Energy Performance (generated from Portfolio Manager) for the building, as well as the energy and greenhouse gas emissions reductions achieved through the project. Assistance and templates will be provided.

9. Distribution of Funds –The process for distribution of funds to awardees will be dependent on the scope of the selected project(s). Funding may be distributed directly to a contractor performing the work, or to the management company as reimbursement.

10. Questions? Need technical assistance?

Contact: Gina Mathias, Sustainability Manager
301-891-7623
ginam@takomaparkmd.gov



Energy Efficiency

Multifamily Grant Worksheet

Building Name:		
# Units:		Condo / Apts?
Building Address:		Phone:
Management/ Contact Name:		
Email:		
Utilities Master Metered or Individually Metered?		

Project Description				
Equipment Details				
Project Details	Estimated Annual Energy Savings in kWh & Therms	Total Project Cost	Requested Funding from Takoma Park	Other Rebates / Matching Funds Received
	Annual Cost Savings	Pepco Rebate?	Project Begin Date	Completion Date

Resources

Pepco Multifamily Properties Rebates

Multi-family properties can take advantage of Pepco's standard incentives for installing new, energy-efficient equipment. Cash incentives are available to customers planning unique equipment, system and industrial process improvements. If you have energy-saving improvements planned that are not available through other incentive programs offered, you may be eligible for custom incentives. Residential units in multi-family buildings with master electric meters may be eligible for cash incentives.

Pepco pays cash incentives for qualifying energy-efficient improvements, such as:

MULTI-FAMILY PROPERTY COMMON AREAS

- [Lighting Fixtures & Controls](#)
- [Variable Frequency Motor Drives](#)
- [Chillers](#)
- [HVAC Tune-up](#)
- [Packaged HVAC Units](#)
- [Commercial Water Heating](#)
- [Commercial Kitchen Equipment](#)
- [Commercial Refrigeration](#)
- [Specialized Controls](#)
- [Custom Projects](#)
- [Full Retro Commissioning](#)

Multi-family Property With Master Meter Residential Units

- Room AC
- Refrigerators
- Freezers
- Clothes Washers
- Electric Water Heaters
- Dehumidifier
- Heat Pump Water Heater
- Ductless Mini Split AC
- Ductless Mini Split Heat Pump
- AHRI Rated Central A/C Units
- Air Source Heat Pump
- Ground Source Heat Pump
- Geothermal Closed Loop Heat Pump

If you have questions, call or email our customer service office, below, and a program representative will be able to assist you.

C&I Energy Savings customer service: 1-866-353-5798

Email: PepcoEnergyEfficiency@LMBPS.com

Helpful Information for the Takoma Park Multifamily Building Energy Efficiency Grant

For Questions regarding the Takoma Park Multifamily Building Energy Efficiency Grant, contact the City of Takoma Park Sustainability Manager, Gina Mathias at 301-891-7623, or at ginam@takomaparkmd.gov.

City of Austin's Guide to setting up Portfolio Manager

<http://austinenergy.com/wps/wcm/connect/8018e597-d5be-47f6-9626-63484e2898a6/HowToBenchmarkYourBuilding121713.pdf?MOD=AJPERES>

How to Calculate Energy Savings

For Appliances, Use the [Savings Calculator for Energy Star Appliances](#)

http://www.energystar.gov/sites/default/files/asset/document/appliance_calculator.xlsx

1. To use, download the workbook and enable editing.
2. On the “INPUTS” tab, find the appliance to be replaced. Enter in the quantity, and any additional details you have about the new appliance in the following columns. If you do not know the details, the sheet will populate with general energy star defaults.
 - a. If you know information about the appliance being replaced, such as kwh/year, use the grey tabs at the bottom to modify the assumptions about the conventional model.
3. **Click the “RESULTS” tab to find the annual Electricity (kWh) savings. The results tab will also indicate the CO2 (carbon dioxide) emissions reductions. Read the Results Overview section for a summary of your results.**

For Lighting, Use [Energy Star’s Light Bulb Calculator](#)

http://www.energystar.gov/sites/default/files/asset/document/light_bulb_calculator.xlsx

1. To use, download the workbook and enable editing.
2. On the “INPUTS” tab, select the proper values for “Where will your lighting be used?”
3. This worksheet gives the option to compare multiple types of bulb replacements. First, enter the quantity of the first type of bulb to be replaced. Then select what the current bulb wattage is in the next column. Second, chose the Energy Star bulb that will replace the old bulb. Repeat for different bulb types as necessary
4. **Click the “RESULTS” tab to find the annual Electricity (kWh) savings. The results tab will also indicate the CO2 (carbon dioxide) emissions reductions. Read the Results Overview section for a summary of your results.**

Example—Determining Energy Savings

Apartment building Takoma House has 120 units, 30 units of which have 20-year-old refrigerators. The Takoma House's owner wants to determine the amount of energy savings from replacing 30 old refrigerators with EnergyStar models.

1. Using the appliance calculator worksheet, the building owner enters "30" in the quantity of refrigerators and changes the cubic feet to match that of the new refrigerators.
2. Since the building owner knows more details about the old refrigerators, they can click on the "Refrigerator" tab, and enter in the cubic feet and kWh/year of the old fridge in the "Conventional" table. This step is not necessary, but highly recommended since your appliance may be older than the average appliance the sheet references.
3. The owner then is able to click on the "RESULTS" tab and see how much electricity (kWh) they have saved by upgrading to new energy star refrigerators.